

REPLACEMENT AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (ORIGINAL) An article for use in reinforcing a structural element, the article comprising:
- a rigidified mesh tape having a plurality of longitudinal fibers and a plurality of lateral fibers, wherein said fibers are coated in a resin; and
- a sheet removably attached to at least one side of said mesh tape,
- wherein said sheet when removed exposes a clean roughened surface of said mesh tape.
2. (ORIGINAL) The article of claim 1, wherein said fibers are pre-cured carbon fibers.
3. (ORIGINAL) The article of claim 1, wherein said lateral fibers are of a different material than said longitudinal fibers.
4. (ORIGINAL) The article of claim 1, wherein said longitudinal fibers are in tension.

5. (PREVIOUSLY PRESENTED) The article of claim 1, wherein said longitudinal fibers have a cross sectional shape selected from the group consisting of flat, rectangular, elliptical, round, and oval.

6. (CANCELLED)

DI 7. (PREVIOUSLY PRESENTED) The article of claim 1, wherein said lateral fibers have a cross sectional shape selected from the group consisting of flat, rectangular, elliptical, round, and oval.

8. (CANCELLED)

9. (ORIGINAL) The article of claim 1, wherein said lateral fibers are generally at an angle of between 45 and 90 degrees to said longitudinal fibers.

10. (ORIGINAL) The article of claim 1, wherein said lateral fibers sandwich said longitudinal fibers.

11. (CANCELLED)

12. (ORIGINAL) The article of claim 1, wherein said lateral fibers are woven to said longitudinal fibers such that said lateral fibers lie alternatingly below and above said longitudinal fibers.

13. (ORIGINAL) The article of claim 1, wherein said lateral fibers are at least on one side of side of said longitudinal fibers.

14. (ORIGINAL) The article of claim 1, wherein said fibers are spaced a sufficient distance apart to allow an adhesive to flow between said fibers.

15-22 (CANCELLED)

23. (PREVIOUSLY PRESENTED) The article of claim 2 wherein said pre-cured carbon fibers are formed having a round-cross section.

24. (PREVIOUSLY PRESENTED) An article for use in reinforcing a structural element, the article comprising:

plurality of longitudinal fibers;

a plurality of lateral fibers interwovenly connected to the longitudinal fibers;

and

a coating material applied to the woven longitudinal fibers and the lateral fibers; and

a sheet removably attached to at least one side of said woven longitudinal and lateral fibers, said longitudinal and lateral fibers defining openings therebetween which are filled with said coating material, wherein said sheet when removed exposes a clean roughened surface of said woven longitudinal and lateral fibers and removes the resin disposed in said openings between said longitudinal and lateral fibers.

25. (PREVIOUSLY PRESENTED) The article of claim 24, wherein said fibers are pre-cured carbon fibers.

26. (PREVIOUSLY PRESENTED) The article of claim 24, wherein said lateral fibers are of a different material than said longitudinal fibers.

27. (PREVIOUSLY PRESENTED) The article of claim 24, wherein said longitudinal fibers are in tension.

01 28. (PREVIOUSLY PRESENTED) The article of claim 24, wherein said longitudinal fibers have a cross sectional shape selected from the group consisting of flat, rectangular, elliptical, round, and oval.

29. (PREVIOUSLY PRESENTED) The article of claim 24, wherein said lateral fibers have a cross sectional shape selected from the group consisting of flat, rectangular, elliptical, round, and oval.

30. (PREVIOUSLY PRESENTED) The article of claim 25 wherein said pre-cured carbon fibers are formed having a round cross-section.

31. (PREVIOUSLY PRESENTED) The article of claim 23, wherein said lateral fibers are generally at an angle of between 45 and 90 degrees to said longitudinal fibers.

32. (PREVIOUSLY PRESENTED) The article of claim 23, wherein said lateral fibers sandwich said longitudinal fibers.

33. (PREVIOUSLY PRESENTED) The article of claim 23, wherein said lateral fibers are woven to said longitudinal fibers such that said lateral fibers lie alternatingly below and above said longitudinal fibers.

D1 34. (PREVIOUSLY PRESENTED) The article of claim 23, wherein said lateral fibers are at least on one side of said longitudinal fibers.

35. (PREVIOUSLY PRESENTED) The article of claim 23, wherein said fibers are spaced a sufficient distance apart to allow an adhesive to flow between said fibers.

36-42 (CANCELLED)
